

Amphipod Newsletter 25

Bibliography (per 31-7-2003) by Wim Vader

AIKINS, S. & E. KIKUCHI 2001. Water current velocity as an environmental factor regulating the distribution of amphipod species in Gamo lagoon, Japan. -- *Limnology* 2, 185-191 (*Eogammarus possjeticus* and *Melita setiflagella*.)

AKAIKE, S., A. TAKIYA, F. TSUDA, A. MOTOYA & K. TAKAHASHI 2002?. (Seasonal occurrence of a kelp-boring amphipod, *Ceinina japonica* along the coasts of Hokkaido from 1997 to 2001.) ---- *Scientific Reports of Hokkaido Fisheries Experimental Station* (61), 25-28. (In Japanese, not seen.)

ALONSO DE PINO, G.M. 2003. A new species of Phoxocephalidae and some other records of sand-burrowing Amphipoda (Crustacea) from Argentina. ---- *Journal of Natural History* 37, 1029-1057. (Deals with *Metharpinia iado* n.sp. (El Rincon, Argentina), *Microphoxus cornutus*, , *Fuegiphoxus fuegiensis*, and *Ipanema talpa*.)

ANDRES, H. G. & A. BRANDT 2001. Lepechinellid genera *Paralepechinella* Pirlot, 1933 and *Lepechinelloides* Thurston, 1980: first records from Antarctica (Crustacea: Amphipoda). ---- *Mitteilungen aus dem Hamburgischen Zoologischen Museum und Institut* 98, 77-97. (The family Lepechinellidae is maintained. *Lepechinelloides weddellensis* n.sp. (from 73°24'S, 22°09'W, c. 2000m), and *Paralepechinella occultolongicornis* n.sp. (from 73°27'S, 22°46'W, 1645m).)

ANDRES, H. G., A.-N. LÖRZ & A. BRANDT 2002. A common, but undescribed huge species of *Eusirus* Krøyer, 1845 (Crustacea, Amphipoda, Eusiridae) from Antarctica. ---- *Mitteilungen aus dem Hamburgischen Museum und Institut* 99, 109-126. (*Eusirus giganteus* n.sp., up to 82 mm long, from off King George Isl., S.Shetlands. *E. perdentatus* is redescribed and a key to Antarctic *Eusirus* presented.)

APPADOO, Ch. & A.A. MYERS 2003. The genus *Elasmopus* (Crustacea: Amphipoda: Melitidae) from Mauritius (Indian Ocean) with description of five new species. ---- *Records of the Australian Museum* 55, 61-84.(Deals with *Elasmopus menurte*, *E. palu* n.sp., *E. pecteniscrus*, *E. pseudinteger* n.sp., *E. puteus* n.sp., *E. souillacensis* n.sp., *E. spinidactylus*, *E. spinimanus* and *E. steelei*

n.sp.; all new species are from Mauritius. A key to Mauritian *Elasmopus* is also provided.)

ARCAS, J., F. BENITEZ & M. PARAMOS 2003. Diet and habitat use of Sanderling *Calidris alba*, wintering on a southern European estuary. ---- *Alauda* 71, 69-72.

ARVAI, J.L., C.D.LEVINGS, P.J.HARRISON & W.E.NEILL 2002. Improvement of the sediment ecosystem following diversion of an intertidal sewage outfall at the Fraser river estuary, Canada, with emphasis on *Corophium salmonis* (Amphipoda). ---- *Marine Pollution Bulletin* 44, 511-519.

BACHELET, G., J.-Cl. DAUVIN & J.-Cl. SORBE 2003. An updated checklist of marine and brackish water Amphipoda (Crustacea: Peracarida) of the southern Bay of Biscay. ---- *Cahiers de Biologie Marine* 44, 121-151. (319 spp of Amphipoda, of which 19 hitherto are >endemic=.)

BARKACS, K., M. OVARI, N. OERTEL, E. SZABO, E. SZURDOKI & G. ZARAY 2002. Elemental analysis of *Dikerogammarus villosus* samples for river water monitoring. ---- *Microchemical Journal* 73, 99-111.

BAUMGARTNER, D., A.D. JUNGBLUTH, U. KOCH & E. von ELERT 2002. Effects of infochemicals on microhabitat choice by the freshwater amphipod *Gammarus roeseli*. ---- *Archiv für Hydrobiologie* 155, 353-367.

BERGE, J. & W. VADER 2003. Stegocephalidae (Crustacea: Amphipoda) from Australia and New Zealand, with descriptions of eight new species. ---- *Records of the Australian Museum* 55, 85-112. (25 spp Ca key is provided--, among which the following are dealt with in detail: *Andaniella ?integripes*, *Andaniexis andaniexis* n.sp.(E. of Flynn reef, Queensland), *A. elinae* n.sp. (off Freycinet peninsula, Tasmania), *Glorandaniotes sandroi* n.sp. (Bass Strait), *G. traudlae* n.sp (off Wollongong, NSW), *Stegocephaloides gunnae* n.sp. (S. of P. Hicks, Victoria), *S. ingstadi* n.sp. (NE of Coffs Harbour, NSW), *S. tori* n.sp. (S. of P.Hicks, Victoria), and *S. tucki* n.sp. (Fortescue Bay, Tasmania). A key to *Andaniotes* spp and a table listing characters of *Stegocephaloides* spp are given. A number of the new species was collected in baited traps.)

BERGE, J. & W. VADER 2003. Description of two new *Glorandaniotes* species (Amphipoda: Stegocephalidae). ---- *Journal of Crustacean Biology* 23, 633-643. (Deals with *G. vema* n.sp. (28°28'N, 44°22'S, 2270m) and *G. norae* n.sp. (11°12'S, 88°48'W).)

BERGMANN, M., S.K. WIECZOREK, P.G. MOORE & R.J.A. ATKINSON 2002. Utilisation of invertebrates discarded from the *Nephrops* fishery by variously selective benthic scavengers in the west of Scotland. ---- *Marine Ecology Progress Series* 233, 185-198.

BERGSTRÖM, U. & G. ENGLUND 2002. Estimating predation rates in experimental systems: Scale-dependent effects of aggressive behaviour. ---- *Oikos* 97, 251-279. (*Monoporeia affinis*.)

BLACK, M.C. & P.L. WILLIAMS 2001. Preliminary assessments of metal toxicity in the middle Tisza river (Hungary) flood plain. ---- *Journal of Soils and Sediments* 1, 213-216. (*Hyaella azteca* test animal)

BOCHER, P., Y. CHEREL, J. PH. LABAT, P. MAYZAUD & P. JOUVENTIN 2001. Amphipod-based food web: *Themisto gaudichaudii* caught in nets and by seabirds in Kerguelen waters, southern Indian Ocean. ---- *Marine Ecology Progress Series* 223, 261-276.

BOND-BUCKUP, G. & P.B. ARAUJO 1998. (*Hyaella montenegrinae* n.sp., an amphipod from continental waters in the south of Brazil (Crustacea, Peracarida, Hyalellidae).) ---- *Nauplius* 6, 53-59. (In Portuguese, not seen)

BOSA, C.R. & M. SETUKO 2002. (Peracarids associated with worm reefs of *Phragmatopoma caudata* (Krøyer) (Polychaeta, Sabellariidae) from Caioba beach, Matinhos, Parana.) ---- *Revista Brasileira de Zoologia* 19 (Suppl.1), 135-147. (In Portuguese. Amphipods collected were *Elasmopus pecteniscrus*, *Hyale media* and *Erichthonius brasiliensis*.)

BOUSFIELD, E. L. & E. A. HENDRYCKS 2002. The talitroidean amphipod family Hyalidae revised, with emphasis on the North Pacific fauna: systematics and distributional ecology. ---- *Amphipacifica* 3 (3), 17-134. (A major revision! With diagnoses of and keys to all taxa. Deals with *Parallorchestes ochotensis*, *P. carinata* n.sp. (Aleutians), *P. subcarinata* n.sp. (Aleutians), *P. alaskensis* n.sp. (Attu, Aleutians), *P. cowani* n.sp. (Vancouver isl.), *P. leblondi* n.sp. (Vancouver isl.), *P. minima* n.sp. (Vancouver isl.), *P. nuda* n.sp. (Vancouver isl.), *P. zibellina*, *P. kabatai* n.sp. (SE Alaska), *P. asiatica*, *P. americana*, and *P. trispinosa* n.sp. (Vancouver isl.). The genus *Protohyale* n.gen (type *Hyale frequens*), has four subgenera: *Boreohyale* n. subgen. (type *P. lamberti* n.sp.), with the species *P. (B.) lamberti* n.sp. (Vancouver isl.), *P. (B.) jarrettiae* n.sp. (Vancouver isl.), *P. (B.) seticornis* n.sp. (Vancouver isl.), *P. (B.) oculata* n.sp.

(Vancouver isl.), *P. (B.) oclairi* n.sp. (San Juan isl., WA), *P. (B.) hiwatarii* n.sp. (S. Juan isl., WA), *P. (B.) pumila* (transf. from *Hyale*), *P. (B.)* sp. 1 (= *H. schmidtii* s. Iwasa), *H. (B.)* sp. 2 (= *H. dollfusi* s. Bulycheva); *Protohyale* s. str. , with *P. (P.) frequens* (transf. from *Allorchestes*), *P. (P.) mohri* n.sp. (Laguna Beach, CA), *P. (P.) canalina* (transf. from *Hyale*, as are the next 3 spp), *P. (P.) yaqui*, *P. (P.) guasave*, and *P. (P.) corallinacola*. The third subgenus is *Leptohyale* n.subgen., with as type and only species *P. (Leptohyale) longipalpa* n.sp. (Alaska). The fourth subgenus is *Diplohyale* n. subgen. (type *Hyale diplodactyla* +3, all transf. from *Hyale*; *P. (D.) bidentata* is illustrated). Also illustrated is *Lelehua ishigakiensis*.

The genus *Hyale* is here restricted to the species in the *pontica*-group, of which *H. lubbockiana* is illustrated. In *Parhyale*, *P. hawaiiensis* is illustrated and a key provided. *Ptilohyale* n.gen. (type *Allorchestes plumulosus*) has 12 species. *Pt. plumulosa* is illustrated, as are *Pt. littoralis* (transf. from *Allorchestes*) and *Pt. barbicornis* (transf. from *Hyale*). The genus *Apothyale* n.gen. (type *Allorchestes pugettensis*) has 24 species, most transferred from *Hyale*; *A. anceps*, *A. pugettensis*, *A. californica* and *A. punctata* are illustrated. The new genus *Serejohyale* (type *H. spinidactyla*) has 4 species, *Ruffohyale* n. gen. (type *H. milloti*) 3, of which *R. jeanneli* is illustrated. The Kuriidae are reduced to subfamily status within the Hyalidae, with *Kuria* and *Micropythia* as genera. the third subfamily in the Hyalidae are the Hyacheliinae; *Hyachelia tortugae* is illustrated.)

BRTEK, J. 2001. (Contributions to a knowledge of the Amphipoda in Slovakia (I. - Gammaroidea, Crangonyctoidea, Corophioidea).) ---- *Zbornik Slovenskeho Noroneho Muzea Prirodne Vedy* 47, 65-89. (In Slovak, not seen. 21 spp in 5 families and 8 genera.)

BURY, N. R., J. SHAW, C.GLOVER & C. HOGSTRAND 2002. Derivation of a toxicity-based model to predict how water chemistry influences silver toxicity to invertebrates. ---- *Comparative Biochemistry and Physiology* 133C, 259-270. (*Gammarus pulex* test amphipod)

CADIEN, D.B. 2003. Arthropods of the Upper Continental Slope of the Southern California Bight: A resource guide. ---- *SCAMIT Newsletter* 21 (8-9), 5-13.

CARRASSON, M. & J. MATALLANAS 2002. Diets of deep-sea macrourid fishes in the western Mediterranean. ---- *Marine Ecology Progress Series* 234, 215-228.

CASSET, M.A., F.R. MOMO & A.D.N. GIORGI 2001. (Population dynamics of two amphipod species and its relationship with the aquatic vegetation in a Lujan river basin microenvironment (Argentina).) ---- *Ecologia Austral* 11, 79-85. (In Spanish, not seen. Concerns two *Hyaella* spp.)

CESAR, A., G.L. MARIN, R. VITA & A. MARIN 2002. Sensitivity of Mediterranean amphipods and sea urchins to reference toxicants. ---- *Ciencias Marinas* 28, 407-417. (*Gammarus aequicauda* and *Microdeutopus gryllotalpa* as test amphipods.)

CHAZARO-OLVERA, S., I. WINFIELD, M.ORTIZ & F. ALVAREZ 2002. Peracarid crustaceans from three inlets in the southwestern Gulf of Mexico: new records and range extensions. ---- *Zootaxa* 123, 1-16. (Amph. on pp. 3-4. Seven amphipod spp are new to the area.)

CHOU, W. & J. LEE 1996. A new terrestrial amphipod (Crustacea) from a subtropical forest in Taiwan, with description of a new genus. ---- *Bulletin of National Museum of Natural Science* 8, 43-55. (Unfortunately overlooked earlier. Deals with *Bousfieldia phoenixae* n.gen., n. sp, (Talitridae) from Nantou Co., Taiwan, at 800m a.s.l.. The genus is close to *Parorchestia*.)

CONNELL, S.D. 2002. Effects of a predator and prey on a foraging reef fish: Implications for understanding density-dependent growth. ---- *Journal of Fish Biology* 60, 1551-1561. (A New Zealand study on the Magpie Morwong *Cheilodactylus nigripes* and its amphipod prey.)

COSTA, F.O., T. NEUPARTH, M.H.COSTA, C.W.THEODORAKIS & L.R.SHUGART 2002. Detection of DNA strand breakage in a marine amphipod by agarose gel electrophoresis: exposure to X-rays and copper. ---- *Biomarkers* 7, 451-463.

CRUZ-RIVERA, E. & M.E. HAY 2001. Macroalgal traits and the feeding and fitness of an herbivorous amphipod: the roles of selectivity, mixing, and compensation. ---- *Marine Ecology Progress Series* 218, 249-266. (Studies on *Ampithoe longimana*.)

DAVID, B., F. MAGNIEZ, L. VILLIER & P.de WEVER 2003. *Conveying behavior of the deep sea pourtalesiid Cystocrepis setigera off Peru*. ---- Pp 153-257 in J.P.Féral & B. David (eds). Echinoderm Research 2001. Swets & Zeitlinger. (>highly atypical amphipods, apparently caprellids=, were observed on *Cystocrepis*.)

DESY, J.C., M. AMYOT, B. PINET-ALLOUL & P.G.C.CAMPBELL 2002. Relating cadmium concentrations in three macrophyte-associated invertebrates to those in macrophytes, water, and sediments. ---- *Environmental Pollution* 120, 759-769. (i.a. *Gammarus fasciatus*)

DEWICKE, A., A. CATTRIJSSE, J. MEES & M. VINCX 2003. Spatial patterns of the hyperbenthos of subtidal sandbanks in the southern North Sea. ---- *Journal of Sea Research* 49, 27-45 (Amph. pp 41-42)

DEZFULI, B.S., S. CAPUANO & L. CONGIU 2002. Identification of life cycle stages of *Cyathocephalus truncatus* (Cestoda: Spathebothriidae) using molecular techniques. ---- *Journal of Parasitology* 88, 632-634. (A parasite of *Echinogammarus stammeri*.)

DICK, J.T.A., R.J.E.BAILEY & R.W.ELWOOD 2002. Maternal care in the rockpool amphipod *Apherusa jurinei*: developmental and environmental cues. --- *- Animal Behaviour* 63, 707-713.

DICK, J.T.A., D. PLATVOET & D.W.KELLY 2002. Predatory impact of the freshwater invader *Dikerogammarus villosus* (Crustacea: Amphipoda). ---- *Canadian Journal of Fisheries and Aquatic Sciences* 59, 1078-1084. (This voracious predator is predicted to have a great impact on freshwater ecosystems in the areas it invades.)

DOVGAL, I.V. 2001. (The distribution and variability of chonotrichs (Ciliophora, Chonotrichia) of Ukrainian fauna. Communication 2.) ---- *Vestnik Zoologii* 35, 65-70. (In Russian. *Heliochona pontica*, a commensal of marine gammarids.)

DUFFY, J.E. & A.M.HARVILICZ 2001. Species-specific impacts of grazing amphipods in an eelgrass-bed community. ---- *Marine Ecology Progress Series* 223, 201-211.

DUGGAN, I.C., K.J. COLLIER, P.D. CHAMION, G.F. CROKER, C.R.J. DAVIES, P.W. LAMBERT, J.W. NAGELS & R.J. WILCOCK 2002. Ecoregional differences in macrophyte and macroinvertebrate communities between Westland and Waikato. Are all New Zealand lowland streams the same? ---- *New Zealand Journal of Marine and Freshwater Research* 36, 831-845. (No, not at all!)

DUNCAN, K.W. 1994. *Terrestrial Talitridae (Crustacea: Amphipoda)*. ---- Fauna of New Zealand 31, 1-125. (This important book was not available to me before now. It is a complete monographic revision of the N Zealand landhoppers and deals with the following species: *Arcitalitrus sylvaticus*, *Kanikania* n.gen. (type *Parorchestia improvisa*), *K. improvisa*, *K. motuensis* n.sp. (Stewart Isl.), *K. rubroannulata* (transf. from *Orchestia*); *Makawe* n.gen. (type *Orchestia hurleyi*), *M. hurleyi*, *M. insularis* (transf. from *Parorchestia*), *M. maynei* (ditto), *M. otamatuakeke* n.sp. (Dunedin), *M. parva* (transf. from *Parorchestia*), *M. waihekensis* n.sp. (Auckland); *Parorchestia ihurawao* n.sp. (Auckland), *P. lesliensis* (transf. from *Orchestia*), *P. longicornis* (originally described as *Orchestia stewarti longicornis*), *P. tenuis*; *Puhuruhuru* n. gen. with type *P. aotearoa* n.sp. (Wairarapa), *P. patersoni* (transf. from *Talorchestia*); *Tara* n.gen. (type *Orchestia sylvicola*), *T. hauturu* n.sp. (L. Barrier Isl.), *T. simularis* (transf. from *Orchestia*), *T. sinbadensis* (ditto), *T. sylvicola*, *T. taranaki* n.sp. (Taranaki) ; *Waemataui* n.gen. (type *W. manawatahi*), *W. kaitaia* n.sp. (Northland), *W. manawatahi* n.sp. (Three Kings isl.), *W. muriwhena* n.sp. (Northland), *W. reinga* n.sp. (Northland), and *W. unuwhao* n.sp.(also Northland). A key to all species is also presented.)

DUNHAM, J.S. & D.A.DUFFUS 2001. Foraging patterns of gray whales in central Clayoquot Sound, British Columbia, Canada. ---- *Marine Ecology Progress Series* 223, 299-310.

ESCOBAR-BRIONES, E. & I. WINFIELD 2003. Checklist of the benthic Gammaridea and Caprellidea (Crustacea: Peracarida: Amphipoda) from the Gulf of Mexico continental shelf and slope. ---- *Belgian Journal of Zoology* 133, 37-44. (A most useful compilation!)

ESSINK, K. 2003. Response of an estuarine ecosystem to reduced organic waste discharge. ---- *Aquatic Ecology* 37, 65-76. (The Dollard, NE in the Netherlands.)

FAASSE, M. & G. van MOORSEL 2003. The North-American amphipods, *Melita nitida* Smith, 1873 and *Incisocalliope aestuarius* (Watling and Maurer, 1973) (Crustacea: Amphipoda: Gammaridea), introduced to the Western Scheldt estuary (The Netherlands). ---- *Aquatic Ecology* 37, 13-22.

FAASSE, M. & E. STIKVOORT 2002. (Marine and estuarine amphipods of soft bottoms in the Deltaic area. (Crustacea: Gammaridea). ---- Nederlandse

Faunistische Mededelingen 17, 57-86. (In Dutch. Many new records for the area, also of alien species.)

FALLACI, M., I. COLOMBINI, M. LAGAR, F. SCAPINI & L. CHELAZZI 2003. Distribution patterns of different age classes and sexes in a Tyrrhenian population of *Talitrus saltator*. ---- *Marine Biology (Berlin)* 142, 101-110.

FERRARO, S.P. & F.A.COLE 2002. A field validation of two sediment-amphipod toxicity tests. ---- *Environmental Toxicology and Chemistry* 21, 1423-1437. (Tests with *Rhepoxynius abronius* and *Leptocheirus plumulosus*. Both are considered >ecologically relevant=)

FERRETTI, J.A., D.F.CALESSO, J.M.LAZORCHAK & C.O.DURHAM 2002. Evaluation of reduced sediment volume toxicity test procedures using the marine amphipod *Ampelisca abdita*. ---- *Environmental Toxicology & Chemistry* 21, 2372-2377.

FIELD, L.J., D.D. MacDONALD, S.B. NORTON, C.G. INGERSOLL, C.G. SEVERN, D. SMORONG & R. LINDSKOOG 2002. Predicting amphipod toxicity from sediment chemistry using logistic regression models. ---- *Environmental Toxicology and Chemistry* 21, 1993-2005. (*Ampelisca abdita* and *Rhepoxynius abronius* as test animals.)

FOSTER, J. M. 2002. *Ameroculodes miltoni*, a new species of estuarine amphipod (Crustacea: Malacostraca: Peracarida: Oedicerotidae) from the southeastern United States. ---- *Zootaxa* 28, 1-12. (Type material from Mississippi)

FRICK, M.G., K.L.WILLIAMS & D.C.VELJACIC 2002. New records of epibionts from Loggerhead Sea Turtles *Caretta caretta* (L.). ---- *Bulletin of Marine Science* 70, 953-956. (I.a. *Podocerus chelonophilus* and *Colomastix halichondriae*, the latter in epizoic sponges.)

GERBERDING, M., W.E. BROWNE & N.H. PATEL 2002. Cell lineage analysis of the amphipod crustacean *Parhyale hawaiiensis* reveals an early restriction of cell fates. ---- *Development, Cambridge* 129, 5789-5801.

GOETTING, E. 2001. Development of a salt-marsh arthropod fauna after opening a summer polder. ---- *Senckenbergia Maritima* 31, 333-340 (i.a. *Orchestia gammarellus*)

GONZALEZ, E.R. & C.O. COLEMAN 2002. *Hyaella armata* (Crustacea, Amphipoda, Hyaellidae) and the description of a related new species from Lake Titicaca. ---- *Organisms, Diversity and Evolution* 2, 271-273. (The new sp. is *H. longispina* n.sp.)

GONZALEZ, E. & L. WATLING 2002. Redescription of the freshwater amphipod *Hyaella faxoni* from Costa Rica (Crustacea: Amphipoda: Hyaellidae). ---- *Revista de Biología Tropical* 50, 659-667. (*H. faxoni* is redescribed and revived as a >good species=.)

GUERRA-GARCIA, J.M. 2002. *Metaprotella tanzaniensis*, a new caprellid (Crustacea: Amphipoda: Protellidae) from Tanzania, with a key to the species of *Metaprotella*. ---- *Bulletin of Marine Science* 70, 909-918.

GUERRA- GARCIA, J.M. 2002. Redescription of *Caprellina longicollis* (Nicolet, 1849) (Amphipoda, Caprellidea, Phtisicidae) from Chile, with notes on ontogenetic development and clinging behaviour. ---- *Crustaceana* 74, 1292-1303.

GUERRA-GARCIA, J.M. 2002. Redescription of *Caprella linearis* (Linnaeus, 1767) and *C. septentrionalis* Kröyer, 1838 (Crustacea: Amphipoda: Caprellidea) from Scotland, with an ontogenetic comparison between the species and a study of the clinging behaviour. ---- *Sarsia* 87, 216-235.

GUERRA-GARCIA, J.M. 2002. Littoral caprellids (Crustacea: Amphipoda: Caprellidea) from the Philippines, with the description of a new species. ---- *The Raffles Bulletin of Zoology* 50, 49-60. (Deals with *Metaproto novaehollandiae*, *Protogeton inflatus*, and *Deutella philippinensis* n.sp. (Gasan, Philippines).)

GUERRA-GARCIA, J.M. 2002. Two new species of *Deutella* Mayer, 1890 (Crustacea: Amphipoda: Parianbidae) collected by the R.V. >Anton Bruun= during the International Indian Ocean Expedition 1963-1964. ---- *Zootaxa* 74, 1-18. (*D. antonbruuni* n.sp and *D. indica* n.sp., both from 29°21'S, 31°35'E.)

GUERRA-GARCIA, J.M. 2002. Revision of the genus *Noculacia* Mayer, 1903 (Crustacea: Amphipoda: Caprellidea) with the description of two new species. --- - *Organismic Diversity & Evolution* 2, *Electronic Supplement* 7, 1-26. (The genus *Noculacia* (Caprellinoididae) contains the spp *N. africana* n.sp. (24°61'S, 35°20'E), *N. australiensis* n.sp. (Great Australian Bight, SA), and *N. bullata*. Also described is *Pseudoprotella bogisa*, transferred from *Noculacia*.)

GUERRA-GARCIA, J.M. 2003. Redescription of *Mayerella magellanica* McCain & Gray, 1971 (Crustacea: Amphipoda: Caprellidea) from Chile with a revision of the genus *Mayerella*. ---- *Hydrobiologia* 490, 187-195. (Also *M. acanthocephala*, *M. redunca*, *M. limicola*, and *M. banksia* are illustrated.)

GUERRA-GARCIA, J.M. 2003. Revision of the genus *Deutella* (Crustacea: Amphipoda: Caprellidea) with description of a new species, redescription of *Deutella venenosa* Mayer, 1890, and a key to the species of *Deutella*. ---- *Journal of Natural History* 37, 1059-1084. (Deals with *D. aspiducha*, *D. californica*, *D. incerta* (The genus *Luconacia* is considered a junior synonym of *Deutella*), *D. margaritae* n.sp. (Isla Margarita, Venezuela), *D. mayeri*, *D. schieckei*, *D. vema*, and *D. venenosa*. The author places the genus in the Pariambidae, even though in his discussion he advises against its use.)

GEURRA-GARCIA, J.M. 2003. Two new species of deep-water caprellids (Crustacea: Amphipoda) from northeastern Brazil. ---- *Cahiers de Biologie Marine* 44, 171-184. (Deals with *Liropus nelsonae* n.sp. and *Parvipalpus colemani* n.sp.. Keys to these genera are provided, as is a list of all caprellids reported from below 400m.)

GUERRA-GARCIA, J.M. & I. TAKEUCHI 2003. The Caprellidea (Malacostraca: Amphipoda) from Mirs bay, Hong Kong, with the description of a new genus and two new species. ---- *Journal of Crustacean Biology* 23, 154-168. (Deals with *Metaproto* sp., *Tropicaprella minuta* n.gen. n. sp. (Caprellidae), *Caprella scaura*, and *C. hirayamai* n.sp.)

GUIGUER, K.R.R.A. & D.R.BARTON 2002. The trophic role of *Diporeia* (Amphipoda) in Colpoys Bay (Georgian Bay) benthic food web: A stable isotope approach. ---- *Journal of Great Lakes Research* 28, 229-239.

GUNTHER, W. & I. KRÖNCKE 2003. Macrofauna communities of the Dogger Bank (central North Sea) in the late 1990s: spatial distribution, species composition and trophic structure. ---- *Helgoland Marine Research* 57, 34-46. (Not seen)

HAM, J.L. van der 2003. Addition to the description of *Spelaeonicippe provo* (Amphipoda, Pardaliscidae). ---- *Crustaceana* 75, 1271-1274. (U3 is 2-articulate!)

HAM, J.L. van der & R. VONK 2003. A phylogenetic analysis of the *Eriopisa* complex (Crustacea: Amphipoda: Melitidae) and a new species from beach

interstitia in Venezuela. ---- *Journal of Natural History* 37, 779-796. (Deals with *Eriopisa mochimae* n.sp. (Bay of Mochima, Venezuela). A thorough cladistic analysis of the *Eriopisa*-group shows that *Psammogammarus* should be reunited with *Eriopisa*, while *Tunisopisa* and *Victoriopisa* are >good genera=.)

HARRIS, P.M., B. R. ROOSE & L. NORMENT 2002. Underground dispersal by amphipods (*Crangonyx pseudogracilis*) between temporary ponds. ---- *Journal of Freshwater Ecology* 17, 589-594.

HENDRYCKS, E.A. & K.E. CONLAN 2003. *Monoculodes curtipediculus* (Amphipoda, Oedicerotidae), a new species from McMurdo Sound, Antarctica. - --- *Crustaceana* 76, 49-63.

HILTON, C., S.J. WALDE & M.L. LEONARD 2002. Intense episodic predation by shorebirds may influence life history strategy of an intertidal amphipod. ---- *Oikos* 99, 368-376. (*Corophium volutator* in Nova Scotia.)

HIWATARI, T. 2002. Two new species of *Parhyale* (Crustacea: Amphipoda, Hyalidae) from southeastern Japan and the Philippines. ---- *Species Diversity* 7, 345-361. (*P. hachijoensis* n.sp. (Hachijo isl., SE Japan) and *P. philippinensis* n.sp. (Mindanao, Philippines).)

HO, K.T., A. KUHN, R.M. BURGESS, M. PELLETIER, D.G. MCGOVERN, J. CHARLES & L. PATTON 2003. Use of marine toxicity identification and evaluation methods in determining causes of toxicity to fish in a marine aquarium facility. ---- *North American Journal of Aquaculture* 65, 14-20. (*Ampelisca abdita* test animal)

HOFMEISTER, A. & A. BICK 2003. *Ökoparasitologische Untersuchungen an Corophium spp in der Unterwarnow: Einfluss des Salinitätsgradienten und des Lebensraumes auf den Befall mit digenen Trematoden.* ---- Poster, Crustaceologen-Tagung Ulm.

HOU, Zh-e & S. LI 2002. Freshwater amphipod crustaceans (Gammaridae) from Chishui and adjacent regions, China. ---- *The Raffles Bulletin of Zoology* 50, 407-418. (Deals with *Gammarus craspedotrichus* n.sp., and *G. accretus* n.sp., both from Chinhui City.)

HOU, Zh-e. & S. LI 2002. *Gammarus riparius*, a new species of freshwater amphipod from the Wuling mountains area, China. ---- *Acta Zootaxonomica Sinica* 27, 699-706.

HOU, Zh.-e. & S. LI 2002. A new species of the genus *Grandidierella* from lake Chaohu, China (Crustacea: Amphipoda: Aoridae). ---- *Acta Zootaxonomica Sinica* 27, 225-234. (*G. chaohuensis* n.sp. from Lake Chaohu, Anhui province, China.)

HOU, Zh.-e. & S. LI 2002. A new species of the genus *Gammarus* from Yunnan, China (Crustacea: Amphipoda: Gammaridae). ---- *Acta Zootaxonomica Sinica* 27, 65-73. (*G. qiani* n.sp. from Yunnan, China.)

HOU, Zh.-e. & S. LI 2002. Two new species of troglobytic amphipod crustaceans (Gammaridae) from Hubei province, China. ---- *The Raffles Bulletin of Zoology* 50, 27-36. (*G. xianfengensis* n.sp and *G. lichuanensis* n.sp.)

HOU, Zh.-e. & S. LI 2002. Descriptions of two new species of the genus *Gammarus* (Crustacea: Amphipoda: Gammaridae) from Yunnan, China. ---- *The Raffles Bulletin of Zoology* 50, 37-52. (*G. paucispinus* n.sp. and *G. lophacanthus* n.sp.)

HOU, Zh.-e. & S. LI 2003. A new troglobitic species found in Huayangdong cave, China (Crustacea, Amphipoda, Pseudocrangonyctidae). ---- *Acta Zootaxonomica Sinica* 28, 42-49. (*Pseudocrangonyx cavernarius* n.sp. from Anhui province, China.)

HOU, Zh.-e., S. LI & S. KOENEMANN 2002. *Gammarus emeiensis*, a new species of amphipod crustacean from Sichuan province, China. ---- *Beaufortia* 52, 37-43. (From Emei Mt, Sichuan prov., China)

HOU, Zh.-e., S. LI & H. MORINO 2002. Three new species of the genus *Gammarus* (Crustacea, Amphipoda, Gammaridae) from Yunnan, China. ---- *Zoological Science* 19, 939-960. (*G. denticulatus* n.sp., *G. stagnarius* n.sp., and *G. elevatus* n.sp.. A key to all Chinese *Gammarus* spp is provided.)

HOU, Zh.-e., S. LI & M. ZHENG 2002. A new species of freshwater amphipod from China (Crustacea: Amphipoda: Gammaridae). ---- *Acta Zootaxonomica Sinica* 27, 456-465. (*Gammarus sichuanensis* n.sp from Sichuan, China.)

HYNE, R., A.C.HOGAN, F. PABLO & A.C.ROACH 2002. Toxicity of selenomethionine- and seleno-contaminated sediment to the amphipod *Corophium* sp. ---- *Ecotoxicology and Environmental Safety* 52, 30-37.

INGERSOLL, C.G., D.D. MacDONALD, W.G. BRUMBAUGH, B.T. JOHNSON, N.E. KEMBLE, J.L. KUNZ, T.W. MAY, N. WANG, J.R. SMITH, D.W. SPARKS & D.S. IRELAND 2002. Toxicity assessment of sediments from the Grand Calumet River and Indiana Harbor Canal in northwestern Indiana, USA. ---- *Archives of Environmental Contamination and Toxicology* 43, 156-167. (*Hyalella azteca* test animal.)

INOUE, H. 2002. Records of intertidal gammaridean Amphipoda (Crustacea) from rocky coasts of Ibaraki Prefecture, Japan. ---- *Natural History Bulletin of Ibaraki University* 6, 23-29. (An annotated list of 20 spp in 8 families.)

IRONSIDE, J.E., J.E. SMITH, M.J. HATCHER, R.G. SHARPE, D. ROLLINSON & A.M. DUNN 2003. Two species of feminizing microsporidian parasite coexist in populations of *Gammarus duebeni*. ---- *Journal of Evolutionary Biology* 16, 467-473. (Not seen, unfortunately)

ISHIKAWA, T. & J. URABE 2002. Population dynamics and production of *Jesogammarus annandalei*, an endemic amphipod in lake Biwa, Japan. ---- *Freshwater Biology* 47, 1935-1943.

JARAMILLO, E., H. CONTRERAS & P. QUIJON 2001. Seasonal and interannual variability in population abundances of the intertidal macroinfauna of Queule river estuary, south-central Chile. ---- *Revista Chilena de Historia Natural* 74, 455-468. (Not seen)

JAZDZEWSKI, K. 2002. Changes in the diversity of the populations of gammarid crustaceans in southern Baltic offshore waters. ---- *BioMare Newsletter* 2002-2, 4-5.

JAZDZEWSKI, K. & A. KONOPACKA 2002. *Invasive Ponto-Caspian species in waters of the Vistula and Oder basins and the southern Baltic Sea*. ---- Pp 384-398 in E. Leppäkoski et al. (eds). *Invasive aquatic species of Europe*. kluwer Academic Publishers, Netherlands. (Deals with i.a. *Chelicorophium curvispinum*, *Chaetogammarus ischnus*, *Pontogammarus robustoides*, *Dikerogammarus haemobaphes*, *D. villosus*, and *Obesogammarus crassus*.)

JAZDZEWSKI, K., A. KONOPACKA & M. GRABOWSKI 2002. Four Ponto-Caspian and one American gammarid species (Crustacea, Amphipoda) recently invading Polish waters. ---- *Contributions to Zoology* 71, 115-122. (Deals with

Dikerogammarus haemobaphes, *D. villosus*, *Pontogammarus robustoides*, *Obesogammarus crassus*, and *Gammarus tigrinus*.)

JAZDZEWSKI, K. & R. KULICKA 2002. New fossil amphipod, *Palaeogammarus polonicus* sp. nov., from the Polish amber. ---- *Acta Geologica Polonica* 52, 379-383

JEDRZEJCZAK, M.F. 2002. Stranded *Zostera marina* L. vs wrack fauna community interactions on a Baltic sandy beach (Hel, Poland): a short-term pilot study. Part 1. Driftline effects of fragmented detritivory, leaching, and decay rates. ---- *Okeanologia* 44, 273-286.

JEDRZEJCZAK, M.F. 2002. Stranded *Zostera marina* L. vs wrack fauna community interactions on a Baltic sandy beach (Hel, Poland): a short-term pilot study. Part 2. Driftline effects of succession changes and colonization of beach fauna. ---- *Okeanologia* 44, 367-387.

JOSTENSEN, J.P., S. SPERSTAD, S. JOHANSEN & B. LANDFALD 2002. Molecular-phylogenetic, structural and biochemical features of a cold-adapted, marine ichthyosporean near the animal-fungal divergence, described from in vitro cultures. ---- *European Journal of Protistology* 38, 93-104. (*Sphaeroforma arctica*, isolated from *Gammarus setosus*.)

KAMERMANS, P., E.J. MALTA, J.M. VERSCHUURE, L. SCHRIJVERS, F.L. FRANTZ & A. TJIN A LIE 2002. Effect of grazing by isopods and amphipods on growth of *Ulva* spp (Chlorophyta). ---- *Aquatic Ecology* 36, 425-433. (*Gammarus locusta* has a positive effect on the growth of *Ulva*, as it grazes on its epiphytes.)

KAZMI, Q.B. 2003. *Taxonomic studies of Crustacea in Pakistan*. ---- Pp 230-248 in J. Shimura (ed.). *Global taxonomy initiative in Asia*. (I know nothing more about this publication, unfortunately). (This is a checklist of nominal species reported from Pakistan, with short notes on habitat. Twenty-three spp of Amphipoda are recorded on p. 237.)

KELAHHER, B.P. 2002. Influence of physical characteristics of coralline turf on associated macrofaunal assemblages. ---- *Marine Ecology Progress Series* 232, 141-148. (An Australian study.)

KELLY, A., A.M. DUNN & M.J. HATCHER 2002. Incomplete feminisation by the microsporidian sex ratio distorter, *Nosema granulosis*, and reduced

transmission and feminisation efficiency at low temperatures. ---- *International Journal for Parasitology* 32, 825-831.

KELLY, D.W., J.T.A. DICK & W.I. MONTGOMERY 2002. Predation on mayfly nymph, *Baetis rhodani*, by native and introduced *Gammarus*: Direct effects and the facilitation of predation by salmonids. ---- *Freshwater Biology* 47, 1257-1268. (*G. pulex* vs *G. duebeni celticus*)

KELLY, D.W., J.T.A. DICK, W.I. MONTGOMERY & C. MacNEIL 2003. Differences in composition of macroinvertebrate communities with invasive and native *Gammarus* spp (Crustacea: Amphipoda). ---- *Freshwater Biology* 48, 306-315. (Again, *G. pulex* vs *G. duebeni celticus*.)

KONTSCHAN, J. & I. MUSKO 2002. (New occurrence of *Orchestia cavimana* Heller, 1865, in Hungary). ---- *Folia Historico-Naturalia Musei Matraensis* 26, 149-150. (In Hungarian. Three new localities)

KONTSCHAN, J., I.B. MUSKO & O. MURANYI 2002. (Short identification key and occurrence of the freshwater amphipods in Hungary.) ---- *Folia Historico-Naturalia Musei Matraensis* 26, 151-157. (In Hungarian. 12 species.)

KRAPP-SCHICKEL, T. & E.L. BOUSFIELD 2002. The talitroidean amphipod genus *Hyale* Rathke, 1837, sens.str. in the North Atlantic and Mediterranean regions. ---- *Amphipacifica* 3 (3), 1-14. (Deals with *H. pontica*, *H. lubbockiana* (Bate, 1866) (rev.), *H. michelini* n.sp. (Sardinia), and *Hyale* sp. (= *H. pontica* s. Kunkel, Bermuda.)

KURDZIEL, J.P. & L.L. KNOWLES 2002. The mechanisms of morph determination in the amphipod *Jassa*: Implications for the evolution of alternative male phenotypes. ---- *Proceedings of the Royal Society, Biological Sciences, Ser. B* 269, 1749-1754. (A most interesting paper, both from the point of view of biology and from that of evolution)

KUTLU, M., A. DUZEN, C. BAYCU & A. OZATA 2002. A transmission electron microscope investigation of the effect of lead acetate on the hepatopancreatic caeca of *Gammarus pulex*. ---- *Environmental Toxicology and Pharmacology* 12, 181-187.

LABAY, V.S. 2001. Three species of the genus *Pseudocrangonyx* Akatsuka et Komai, 1922 (Crustacea: Amphipoda) from subterranean fresh waters of the island of Sakhalin. ---- *Arthropoda Selecta* 10, 289-296. (Deals with *P. relict*

Labay, 1999, *P. susanaensis* Labay, 1999, and *P. birsteini* Labay, 1999 (all of them earlier overlooked in ANB, all from Sakhalin island.)

LABAY, V.S., Yu. N. POLTEV & I.N. MUKHAMETOV 2002. (Feeding of *Careproctus roseofuscus* (Scorpaeniformes, Liparidae) in Pacific waters of the northern Kuril islands and southeast Kamchatka.) ---- *Biologiya Morya, Vladivostok* 28, 279-285. (In Russian. The amphipod *Metopa majuscula* a major food.)

LANDRUM, P.F., G.R. LOTUFO, D.R. GOSSIAUX, M.L. GIDEON & JONG HYEON LEE 2003. Bioaccumulation and critical body residue of PAHs in the amphipod, *Diporeia* spp: Additional evidence to support toxicity additivity for PAH mixtures. ---- *Chemosphere* 51, 481-489.

LAWRENCE, A.J. & C. POULTER 2001. Impact of copper, pentachlorophenol and benzo(a)pyrene on the swimming efficiency and embryogenesis of the amphipod *Chaetogammarus marinus*. ---- *Marine Ecology Progress Series* 223, 213-223.

LEE, JONG HYEON, P.F. LANDRUM & CHUL HWAN KOH 2002. Toxicokinetics and time-dependent PAH toxicity in the amphipod *Hyaella azteca*. ---- *Environmental Science and Technology* 36, 3124-3130.

LINSE, K., A. BRANDT, B. HILBIG & G. WEGENER 2002. Composition and distribution of suprabenthic fauna in the south-eastern Weddell Sea and off King George Island. ---- *Antarctic Science* 14, 3-10.

LYLA, P.S., S. VELVIZHI & S. AJMAL KHAN 1998. *Brackwater amphipods of Parangipettai Coast*. ---- Centre of Advanced Study in Marine Biology, Annamalai University, 1-80 (cited from Myers & Lowry 2003). (Not seen, contains i.a. the description of *Natarajphotis manieni* n.gen. n. sp., which acc. to Myers & Lowry, >may be a species of *Kamaka*=. Could anybody get me a copy of the amphipod part of this paper? WV)

MacNEIL, C., N.J. FIELDING, K.D. HUME, J.T.A. DICK, R.W. ELWOOD, M.J. HATCHER & A.M. DUNN 2003. Parasite-altered micro-distribution of *Gammarus pulex* (Crustacea: Amphipoda). ---- *International Journal for Parasitology* 33, 57-64. (The parasite is the acanthocephalan *Echinorhynchus truttae*.)

- MAKHUTOVA, O.N., G.S. KALACHOVA & M.I. GLADYSHEV 2003. A comparison of the fatty acid composition of *Gammarus lacustris* and its food sources from a freshwater reservoir, Bugach, and the saline Lake Shira in Siberia, Russia. ---- *Aquatic Ecology* 37, 159-168.
- MANCINELLI, G. & L. ROSSI 2002. The influence of allochthonous leaf detritus on the occurrences of crustacean detritivores in the soft-bottom macrobenthos of the Po river delta area (northwestern Adriatic Sea). ---- *Estuarine, Coastal and Shelf Science* 54, 849-861.
- MARTIN, A., D. ATIENZA & Y.J. DIAZ 2001. (Extension of distribution of *Melita persona* (Amphipoda: Melitidae) in the southern Caribbean.) ---- *Revista de Biología Tropical* 49, 397. (In Spanish, not seen.)
- MARTINS, I., P. MARANHÃO & J.C. MARQUES 2002. Modelling the effects of salinity variation on *Echinogammarus marinus* Leach (Amphipoda, Gammaridae) density and biomass in the Mondego estuary (western Portugal). - --- *Ecological Modelling* 152, 247-260.
- MENN, I. 2002. Ecological comparison of two sandy shores with different wave energy and morphodynamics in the North Sea. ---- *Berichte zur Polar- und Meeresforschung* 417, 1-170
- MESSANA, G. & S. RUFFO 2001. A new species of *Longigammarus* (Crustacea, Amphipoda, Gammaridae) from the Pianosa island (Tuscany archipelago). ---- *Italian Journal of Zoology* 68, 161-164. (Not seen. *L. planasiae* n.sp.)
- MESSOULI, M., N. COINEAU & C. BOUTIN 2002. Revision , phylogeny and biogeography of the groundwater amphipods Salentinellidae. I. Description of *Salentinella anae* nov. sp. from Spain with remarks on the genera *Salentinella* and *Parasalentinella*. ---- *Zoological Science, Tokyo* 19, 1147-1154. (Not seen, sadly. *S. anae* n.sp. from Spain. *S. prognatha* is synonymized with *S. petiti*.)
- METCALFE-SMITH, J.L., K.E. KHOLTZE, G.R. SIROTA, J.J. REID & S.R.de SOLLA 2003. Toxicity of aqueous and sediment-associated fluoride to freshwater organisms. ---- *Environmental Toxicity and Chemistry* 22, 161-166. (i.a. *Hyaella azteca*.)
- MICHELI, F., C.H. PETERSON, L.S. MULLINEAUX, C.R. FISHER, S.W. MILLS, G. SANCHO, G.A. JOHNSON & H.S. LENIHAN 2002. Predation

structures communities at deep-sea hydrothermal vents. ---- *Ecological Monographs* 72, 365-382.

MOURITZEN, K.N. 2002. The *Hydrobia ulvae*-*Maritrema subdolum* association: Cercarial emergence controlled by host activity. ---- *Journal of Helminthology* 76, 349-353. (*Corophium volutator* second host for this digenean.)

MOURITZEN, K.N. 2002. The *Hydrobia ulvae*-*Maritrema subdolum* association: Influence of temperature, salinity, light, water-pressure and secondary host exudates on cercarial emergence and longevity. ---- *Journal of Helminthology* 76, 341-347. (*Corophium volutator* secondary host.)

MUSKO, I.B. 2001. Aspects of the population dynamics of *Corophium curvispinum* G.O.Sars (Crustacea: Amphipoda) in the stony littoral zone along the trophic gradient in Lake Balaton (Hungary). ---- *Verhandlungen der Internationalen Verein für Limnologie* 27, 3860-3866.

MYERS, A.A. & J.K. LOWRY 2003. A phylogeny and a new classification of the Corophiidea Leach, 1814 (Amphipoda). ---- *Journal of Crustacean Biology* 23, 443-485. (A pivotal paper, presenting a thorough morphological study and cladistic analysis of the old Domicola amphipods, resulting in a completely new classification of the group; this classification will be presented separately elsewhere on the amphipod website. The paper needs thorough study for full appraisal; here only the new taxa are enumerated; many existing taxa also have restricted or extended contents in this classification.

The Unciolidae fam. nov. belong within the Aoridae; this family is divided into two subfamilies, both new, the Unciolinae (*Unciola* +13) and the Acuminodeutopinae (*Acuminodeutopus*, *Rudilemboides* and *Wombalana*). The Chevalioidea are a new monotypic superfamily, consisting of the single family and genus Chevaliidae and *Chevalia*. In the Ampithoidae the subfamily Exampithoinae is new; it consists of the genera *Exampithoe* and *Melanesius*. In the family Corophiidae, as here conceived, there are two subfamilies, the Corophiinae and the Protomedeiinae n. subfam. . The Corophiinae are further subdivided in the tribes Corophiini, Haplocheirini n. tribe (with the genera *Haplocheira*, *Anonychocheirus*, *Kuphocheira* and *Leptocheirus*), and Paracorophiini n. tribe (with the genera *Paracorophium*, *Chaetocorophium* and *Stenocorophium*.) The Protomedeiinae contain the genera *Protomedeia*, *Cheirimedeia*, *Cheiriphotis*, *Goesia*, and *Pareurystheus*.

The Caprellida are divided into 6 superfamilies, i.e. the Aetiopedesoidea n. superfam. , the Caprelloidea, the Isaeoidea, the Microprotopodidea n. superfam.,

the Neomegamphopodidea, the Photoidea, and the Rakirooidea n. superfam. In the Aetiopedesoidea there are two families, both new and monotypic, i.e. the Aetiopedesidae n. fam. and the Paragammaropsidae n.fam.. The Microprotopodidea are monotypic, with the single family Microprotopodidae n. fam. also monotypic. In the Ischyroceridae the Bonnierellinae n. subfam. consist of the genera *Bonnierella* and *Bogenfelsia*, while , also in the Photoidea, the new family Kamakidae has two subfamilies, the Kamakinae n. subfam. (with *Kamaka*, *Aorchoides*, *Cerapopsis*, *Gammaropsella*, *Ledoyerella*, *Natarajphotis* and *Paraloiloi*), and the Aorchinae (with *Aorcho*, *Aloiloi* and *Amphideutopus*.). Finally, the new superfamily Rakirooidea consists of the single monotypic family Rakiroidae n. fam.)

NIPPER, M., R.S. CARR, J.M. BIEDENBACH, R.T. HOOTEN & K. MILLER 2002. Toxicological and chemical assessment of ordnance compounds in marine sediments and pore waters. ---- *Marine Pollution Bulletin* 44, 789-806. (*Ampelisca abdita* as test animal.)

NOËL, P. 2002. Les invertébrés aquatiques introduits en France. ---- *Bulletin de l'Institut Royal de Sciences Naturelles de Belgique* 72, Suppl. 19, 19-27. (Six amphipods on pp. 21-22.)

NORDERHAUG, K.M., H. CHRISTIE & E. RINDE 2002. Colonisation of kelp imitations by epiphyte and holdfast fauna; a study of mobility patterns. ---- *Marine Biology, Berlin* 141, 965-973. (Mobility is great and colonization rapid, with amphipods among the first to appear.)

ORTIZ, M., F. ALVAREZ & I. WINFIELD 2002. *Caprellid amphipods. Illustrated key for the genera and species from the Gulf of Mexico and the Caribbean Sea*. ---- Universidad Nacional Autonoma de Mexico, C. Mexico, 83 pp.

ORTIZ, M., S. CHAZARO-OLVERA & I. WINFIELD 2001. A new amphipod crustacean of the genus *Haustorius* (Gammaridea, Haustoriidae), from the east coast of Mexico. ---- *Avicennia* 14, 53-59. (*H. mexicanus* n.sp. from Vera Cruz, Mexico.)

ORTIZ, M., I. WINFIELD & R. LALANA 2001. (A new amphipod crustacean of the genus *Bogidiella* (Gammaridea, Bogidiellidae), from the island of Coiba, Pacific Panama.) ---- *Avicennia* 14, 47-52. (In Spanish. *B. coipana* n.sp.)

OTHMAN, M.S. & D. PASCOE 2001. Acute toxicity of copper, zinc and cadmium to the freshwater amphipod *Hyalella azteca*. ---- *Malaysian Applied Biology* 30, 1-8.

OTHMAN, M.S. & D. PASCOE 2002. Reduced recruitment in *Hyalella azteca* (Saussure, 1858) exposed to copper. ---- *Ecotoxicology and Environmental Safety* 53, 59-64.

OVARI, M., G. ZARAY & J. HASSLER 2002. Solid sampling electrothermal vaporization inductively coupled plasma atomic emission spectrometric method for analysis of amphipod (*Dikerogammarus villosus*) samples. ---- *Microchemical Journal* 73, 125-130. (This somewhat forbiddingly named method analyzes the metal-content of the amphipods.)

ÖZBEK, M. & M.R. USTAOGULU 1998. (The Amphipoda (Crustacea+Arthropoda) fauna of Izmir and adjacent areas inland-waters.) ---- *Su Ürünleri Dergisi* 15, 211-231. (In Turkish. Eight amphipod species.)

PAGE, D.S., P.D. BOEHM, W.A. STUBBLEFIELD, K.R. PARKER, E.S. GILFILLAN, J.M. NEFF & A.W. MAKI 2002. Hydrocarbon composition and toxicity of sediments following the Exxon Valdez oil spill in Prince William Sound, Alaska, USA. ---- *Environmental Toxicology and Chemistry* 21, 1438-1450. (*Rhepoxynius abronius* as test animal)

PETERS, C., S. BECKER, U. NOACK, S. PFITZNER, W. BÜLOW, K. BARZ, W. AHLF & W. BERGHAHN 2002. A marine bioassay test to assess marine water and sediment quality: Its need, the approach and first results. ---- *Ecotoxicology* 11, 379-383. (*Corophium volutator* test amphipod)

PINN, E.H. & M.R. ROBERTSON 2003. Macro-infaunal biodiversity and analysis of associated feeding guilds in the greater Minch area, Scottish west coast. ---- *Journal of the Marine Biological Association UK* 83, 433-443.

PÖCKL, M., B.W. WEBB & O.W. SUTCLIFFE 2003. Life history and reproductive capacity of *Gammarus fossarum* and *G. roeseli* (Crustacea. Amphipoda) under naturally fluctuating water temperatures: a simulation study. ---- *Freshwater Biology* 48, 43-56.

POINAR, G., A.D.M. LATHAM & R. POULIN 2002. *Thaumamermis zealandica* n.sp. (Mermithidae: Nematoda) parasitising the intertidal marine amphipod *Talorchestia quoyana* (Talitridae: Amphipoda) in New Zealand, with

a summary of mermithids infecting amphipods. ---- *Systematic Parasitology* 53, 227-233. (The first known marine host of a mermithid.)

PREMKE.K., S. MUYAKSHIN, M. KLAGES & J. WEGNER 2003. Evidence for long-range chemoreceptive tracking of food odour in deep-sea scavengers by scanning sonar data. ---- *Journal of Experimental Marine Biology and Ecology* 285-286, 283-294.

REZ, S., O. TESTENIERE, A. HECKER, S. WEINER & G. LUQUET 2002. Stable amorphous calcium is the main component of the calcium storage structures of the crustacean *Orchestia cavimana*. ---- *Biological Bulletin, Woods Hole* 203, 269-274.

REVKOV, N.K. & T.V. NIKOLAENKO 2002. Biodiversity of zoobenthos in the coastal zone of the South coast of Crimea (Laspi Bay area). ---- *Russian Journal of Marine Biology* 28, 151-162.

RICHARDSON, A.M.M., R. SWAIN & C.J.McCOULL 2001. Salt spray limits the inland penetration of a coastally-restricted invertebrate: A field experiment using landhoppers (Crustacea: Amphipoda: Talitridae). ---- *Functional Ecology* 15, 435-442.

RICHARDSON, A.M.M., R. SWAIN & C.McCOULL 2003. What limits the distribution of coastally restricted terrestrial invertebrates? The case of coastal landhoppers (Crustacea: Amphipoda: Talitridae) in southern Tasmania. ---- *Journal of Biogeography* 30, 687-695.

ROFF, D. 2002. Comparing G matrices: A MANOVA approach. ---- *Evolution* 56, 1286-1291. (One of the examples concerns *>Gammarus = marinus*.)

ROSTAD, T. & K.L. HANSEN 2001. The effects of trawling on the benthic fauna of the Gulf of Nicoya, Costa Rica. ---- *Revista de Biología Tropical* 49 (Supl. 2), 91-95. (>Amphipods were more abundant in trawled areas.=)

ROWELL, K. & D.W. BLINN 2003. Herbivory on a chemically defended plant as a predation deterrent in *Hyaella azteca*. ---- *Freshwater Biology* 48, 247-254. (*Hyaella* that feed on the coumarin-producing umbelliferan *Berula erecta* are preyed upon less than other *Hyaella*.)

SARI, H.M., S. BALIK, M. ÖZBEK & C AYGEN 2001. (The macro- and meiobenthic invertebrates of lake Bafa.) ---- *Anadolu University Journal of*

Science and Technology 2, 285-291. (In Turkish. Of the 7 amphipods recorded *Aora spinicornis* and *Microdeutopus gryllotalpa* are new to lake Bafa.)

SAWICKI, T.R., J.R.HOLSINGER, M. ORTIZ & A. PEREZ 2003. *Bahadzia patilarga*, a new species of subterranean crustacean (Hadziidae) from Cuba. ---- *Proceedings of the Biological Society of Washington* 116, 198-205. (From south coast of Cuba.)

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SEREJO, C.S. & Y. WAKABARA 2003. The genus *Valettropsis* (Crustacea, Gammarida, Lysianassoidea) from the southwestern Atlantic, collected by the RV *Marion Dufresne*. ---- *Zoosystema* 25, 187-196. (Deals with *V. macrodactyla* and *V. ruffoi* n.sp. (19°01'S, 37°47'W, 1500m). A key to the species is provided.)

SHIH, Ch.-t. & E.A. HENDRYCKS 2003. A new species and new records of the genus *Vibilia* Milne Edwards, 1830 (Amphipoda: Hyperiidea: Vibiliidae) occurring in the eastern Pacific Ocean. ---- *Journal of Natural History* 37, 253-296. (Deals with *V. pyripes*, *V. australis*, *V. cultripes*, *V. stebbingi*, *V. chuni*, *V. longicarpus*, *V. caeca*, and *V. elongata* n.sp. (53°53'N, 158°29'W). A key to all species is provided.)

SORBE, J. -Cl. & B.A. GALIL 2002. The bathyal Amphipoda of the Levantine coast, eastern Mediterranean. ---- *Crustaceana* 75, 957-968.(53 spp from the Israeli coast, of which 20 are new to the coast of Israel, and 4 to the eastern Mediterranean.)

SOTKA, E.E. 2003. Genetic control of feeding preference in the herbivorous amphipod *Ampithoe longimana*. ---- *Marine Ecology Progress series* 256, 305-310.

SOTKA, E.E. & M.E.HAY 2002. Geographic variation among herbivore populations in tolerance for a chemically rich seaweed. ---- *Ecology* 83, 2721-2735. (Studies on *Ampithoe longimana*.)

SOTKA, E.E., R.B.TAYLOR & M.E. HAY 2002. Tissue-specific induction of resistance to herbivores in a brown seaweed: the importance of direct grazing

versus waterborne signals from grazed neighbors. ---- *Journal of Experimental Marine Biology and Ecology* 277, 1-12. (*Ampithoe longimana* as test animal)

SPICER, J.I., C.L. DANDO & L. MALTBY 2002. Anaerobic capacity of a crustacean sensitive to low environment oxygen tension, the freshwater amphipod *Gammarus pulex* (L.). ---- *Hydrobiologia* 477, 189-194.

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SUKHANOV, V.V. 2002. (Test of the standard species structure in taxocoenoses of marine organisms.) ---- *Biologiya Morya, Vladivostok* 28, 304-307. (In Russian, not seen. The principles are >illustrated with the example of an amphipod community=.)

TAKEUCHI, I. & J.M. GUERRA-GARCIA 2002. *Paraprotella saltatrix*, a new species of the Caprellidea (Crustacea: Amphipoda) from Phuket island, Thailand. ---- *Phuket Marine Biological Center, Special Publication* 23, 273-280. (This species may be parthenogenetic, no males having been found in the large material!)

TAKEUCHI, I. & K. WATANABE 2002. Mobile epiphytic invertebrates inhabiting the brown macroalga, *Desmarestia chordalis*, under the coastal fast ice of Lutzow-Holm Bay, East Antarctica. ---- *Polar Biology* 25, 624-628. (*Prostebbingia* sp. and *Haplocheira plumosa* the dominant species.)

TAYLOR, J. 2002. A review of the genus *Wildus* (Amphipoda, Phoxocephalidae) with a description of a new species from the Andaman Sea, Thailand. ---- *Phuket Marine Biological Center, Special Publication* 23, 253-263. (Reviews *Wildus*, with *Waipirophoxus* as a junior synonym, and describes *W. andamanensis* n.sp.)

TAYLOR, R.B., E. SOTKA & M.E. HAY 2002. Tissue-specific induction of herbivore resistance: seaweed response to amphipod grazing. *Oecologia* 132, 68-76. (Most interesting studies with *Ampithoe longimana*.)

TREUDE, T., F. JANSSEN, W. QUEISSER & U. WITTE 2002. Metabolism and decompression tolerance of scavenging lysianassoid deep-sea amphipods. -- -- *Deep-sea Research I. Oceanographic Research Papers* 49, 1281-1289.

UGOLINI, A. 2002. The orientation of equatorial sandhoppers during the zenithal culmination of the sun. ---- *Ethology, Ecology & Evolution* 14, 269-273. (*Talorchestia martensii* uses magnetic compass when sun orientation is difficult.)

UGOLINI, A., T. FANTINI & R. INNOCENTI 2003. Orientation at night: An innate moon compass in sandhoppers (Amphipoda: Talitridae). ---- *Proceedings of the Royal Society, Biological Sciences, Ser. B* 270, 279-281.

USTA OGLU, M.R., S. BALIK & M. ÖZBEK 1998. (Malacostraca (ArthropodaBCrustacea) fauna of Bafa lake.) ---- *Su Ürünleri Dergisi* 15, 263-267. (In Turkish. Seven amphipod species.)

USTA OGLU, M.R., S. BALIK & M. ÖZBEK 2001-2002. (A preliminary report on Malacostraca (CrustaceaBArthropoda) fauna of Gökova springs (AkyakaBMugla).) ---- *Egirdir su Ürünleri Fakültesi Dergisi* 8, 106-112. (In Turkish. Three amphipod species)

USTA OGLU, M.R., S. BALIK & M. ÖZBEK 2000. (*Malacostraca fauna of Akgöl and lake Gebekirse (SelçukBİzmir)*.) ---- *Proceedings XV. Ulusal Biyoloji Kongresi (5-9-Eylal 2000)*, Ankara, 217-222. (In Turkish. Six amphipod species.)

VALERIO-BERARDI, M.T. 2001. A new species of *Pseudischyrocerus* Schellenberg (Crustacea: Amphipoda: Ischyroceridae) from the Brazilian coast. *C Nauplius* 9, 61-66. (*P. besnardi* n.sp. from SE Brazil)

VALERIO-BERARDI, M.T. & M.N. FLYNN 2002. Composition and seasonality of an amphipod community associated to the algae *Bryocladia trysigera*. *C Brazilian Journal of Biology* 62, 735-742.

VANDENBERGH, G.F., D. ADRIAENS, T. VERSLYCKE & C.R. JANSSEN 2003. Effects of 17alpha-ethinylestradiol on sexual development of the

amphipod *Hyaella azteca*. ---- *Ecotoxicology and Environmental Safety* 54, 216-222.

VANDEN BOSSCHE, J.-P. 2002. First records and fast spread of five new (1995-2000) alien species in the river Meuse in Belgium: *Hypania invalida*, *Corbicula fluminea*, *Hemimysis anomala*, *Dikerogammarus villosus*, and *Crangonyx pseudogracilis*. ---- *Bulletin de l'Institut Royal de Sciences Naturelles de Belgique* 72, Suppl. 19, 73-78. (Also data on *Corophium curvispinum* and *Orchestia cavimana*.)

VONK, R. 2003. *Explorations of the systematics and deep history of stygobiont amphipods*. ---- PhD Thesis, Univ of Amsterdam. (Congratulations, Ronald!! The main paper is a beautiful revision of the Ingolfiellidea, which will be annotated when it appears as a journal article.)

WANG, X. & G.P. ZAUKE 2002. Relationship between growth parameters of the amphipod *Gammarus zaddachi* (Sexton, 1912) and the permeable body surface determined by the acid-base titration method.. ---- *Hydrobiologia* 482, 179-189.

WELLNITZ, T., L. GIARI, B. MAYNARD & B.S. DEZFULI 2003. A parasite spatially structures its host populations. ---- *Oikos* 100, 263-268. (*Pomphorhynchus laevis* in *Echinogammarus stammeri* in N.Italy.)

WERNER, I. , H. AUDEL & C. FRIEDRICH 2002. Carnivorous feeding and respiration of the Arctic under-ice amphipod *Gammarus wilkitzkii*. ---- *Polar Biology* 25, 523-530.

WESLAWSKI, J.M. & J. LEGEZYNSKA 2002. Life cycle of some Arctic amphipods. ---- *Polish Polar Research* 23, 253-264.

WIJNHOFEN, S., M.C. van RIEL & G. van der VELDE 2003. Exotic and indigenous freshwater gammarid species: physiological tolerance to water temperature in relation to the ionic content of the waters. ---- *Aquatic Ecology* 37, 151-158. (Not seen)

WIKLUND, A., K. ERIKSSON & B. SUNDELIN 2002. Bioavailability of metals to the amphipod *Monoporeia affinis*: Interaction with authigenic sulfides in urban brackish-water and freshwater sediments. ---- *Environmental Toxicology and Chemistry* 21, 1219-1228.

WILHELM, F.M. , J. HAMANN & C.W. BURNS 2002. Mysid predation on amphipods and *Daphnia* in a shallow coastal lake: Prey selection and effects on macrophytes. ---- *Canadian Journal of Fisheries and Aquatic Sciences* 59, 1901-1907.

WITT, J.D.S., D.W. BLINN & P.D.N. HEBERT 2003. The recent evolutionary origin of the phenotypically novel amphipod *Hyaella montezuma* offers an ecological explanation for morphological stasis in a closely allied species complex. ---- *Molecular Ecology* 12, 405-413. (*H. montezuma* is molecularly very close to certain lines in the *H. azteca* complex, and is of recent origin. The authors opine that absence of fish predation in Montezuma Well has provided a relaxation of the constraint on morphological and ecological selection usually provided by such predation.)

WOLFF, C. & G. SCHOLTZ 2002. Cell lineage, axis formation, and the origin of germ layers in the amphipod *Orchestia cavimana*. ---- *Developmental Biology* 250, 44-58.

WOODS, C.M.C. 2002. Natural diet of the seahorse *Hippocampus abdominalis*. ---- *New Zealand Journal of Marine and Freshwater Research* 36, 655-660. (Amphipods important prey)

WOUTERS, K. 2002. A review of the neozoan non-marine macro-crustaceans in Belgium. ---- *Bulletin de l'Institut Royal de Sciences Naturelles de Belgique* 72, Suppl. 19, 83-85. (Six amphipod spp on pp 83-84.)

YAMADA, Y., T. IKEDA & A. TSUDA 2002. Abundance, growth and life cycle of the mesopelagic amphipod *Primno abyssalis* (Hyperiid: Phrosinidae) in the Oyashio region, western subarctic Pacific. ---- *Marine Biology, Berlin* 141, 333-341.

ZANDER, C.D. & L.W. REIMER 2002. Parasitism at the ecosystem level in the Baltic Sea. ---- *Parasitology* 124 (Suppl.), S119-S135.

ZEHMER, J.K., S.A. MAHON & G.M. CAPELLI 2002. Calcium as a limiting factor in the distribution of the amphipod *Gammarus pseudolimnaeus*. ---- *American Midland Naturalist* 148, 350-362.

NEW AMPHIPOD TAXA IN AN 25

A. ALPHABETIC LIST

New families, subfamilies etc.

Acuminodeutopodinae Myers & Lowry, 2003	Unciolidae
Aetiopedesidae Myers & Lowry, 2003	
Aetiopedesoidea Myers & Lowry, 2003	
Aorchinae Myers & Lowry, 2003	Kamakidae
Aoridea (Myers & Lowry, 2003)	
Bonnierellinae Myers & Lowry, 2003	Ischyroceridae
Chevaliidae Myers & Lowry, 2003	
Chevalioidea Myers & Lowry, 2003	
Exampithoinae Myers & Lowry, 2003	Ampithoidae
Haplocheirini Myers & Lowry, 2003	Corophiinae
Hyacheliinae Bousfield & Hendrycks, 2002	Hyalidae
Kamakidae Myers & Lowry, 2003	
Kamakinae Myers & Lowry, 2003	Kamakidae
Kuriinae (Bousfield & Hendrycks, 2002)	Hyalidae
Lepechinellidae revived Andres & Brandt, 2001	
Microprotopodidae Myers & Lowry, 2003	
Microprotopodidea Myers & Lowry, 2003	
Paracorophiini Myers & Lowry, 2003	Corophiinae
Paragammaropsidae Myers & Lowry, 2003	
Protomedeiinae Myers & Lowry, 2003	Corophiidae
Rakiroidae Myers & Lowry, 2003	
Rakirooidea Myers & Lowry, 2003	
Unciolidae Myers & Lowry, 2003	
Unciolinae Myers & Lowry, 2003	Unciolidae

New genera and subgenera

<i>Apohyale</i> Bousfield & Hendrycks, 2002	Hyalidae
<i>Boreohyale</i> (<i>Protohyale</i>) Bousfield & Hendrycks, 2002	Hyalidae
<i>Bousfieldia</i> Chou & Lee, 1996	Talitridae

<i>Diplohyale</i> (<i>Protohyale</i>) Bousfield & Hendrycks, 2002	Hyalidae
<i>Kanikania</i> Duncan, 1994	Talitridae
<i>Leptohyale</i> (<i>Protohyale</i>) Bousfield & Hendrycks, 2002	Hyalidae
<i>Makawe</i> Duncan, 1994	Talitridae
<i>Natarajphotis</i> Lyla, Velvizhi & Ajmal Khan, 1998	Kamakidae
<i>Protohyale</i> Bousfield & Hendrycks, 2002	Hyalidae
<i>Ptilohyale</i> Bousfield & Hendrycks, 2002	Hyalidae
<i>Puhuruhuru</i> Duncan, 1994	Talitridae
<i>Ruffohyale</i> Bousfield & Hendrycks, 2002	Hyalidae
<i>Serejohyale</i> Bousfield & Hendrycks, 2002	Hyalidae
<i>Tara</i> Duncan, 1994	Talitridae
<i>Tropicaprella</i> Guerra-Garcia & Takeuchi, 2003	Caprellidae
<i>Waematau</i> Duncan, 1994	Talitridae

New species and subspecies

(NB. The subgenus *Boreohyale* is abbreviated (B.))

<i>accretus</i> (Gammarus) Hou & Li, 2002	Gammaridae
<i>africana</i> (Noculacia) Guerra-Garcia, 2002	Caprellinoidae
<i>alaskensis</i> (Parallorchestes) Bousfield & Hendrycks, 2002	Hyalidae
<i>andanamensis</i> (Wildus) Taylor, 2002	
	Phoxocephalida
	e
<i>andaniexis</i> (Andaniexis) Berge & Vader, 2003	Stegocephalidae
<i>anae</i> (Salentinella) Messouli, Coineau & Boutin, 2002	Salentinellidae
<i>antonbruuni</i> (Deutella) Guerra-Garcia, 2002	Pariambidae
<i>aotearoa</i> (Puhuruhuru) Duncan, 1994	Talitridae
<i>australiensis</i> (Noculacia) Guerra-Garcia, 2002	Caprellinoidae
<i>besnardi</i> (Pseudischyrocerus) Valerio-Berardi, 2001	Ischyroceridae
<i>birsteini</i> (Pseudocrangonyx) Labay, 1999 (2001)	Pseudocrangonyctidae
<i>carinata</i> (Parallorchestes) Bousfield & Hendrycks, 2002	Hyalidae
<i>cavernarius</i> (Pseudocrangonyx) Hou & Li, 2003	Pseudocrangonyctidae
<i>chaohuensis</i> (Gammarus) Hou & Li, 2002	Gammaridae
<i>coipana</i> (Bogidiella) Ortiz, Winfield & Lalana, 2001	Bogidiellidae
<i>colemani</i> (Parvipalpus) Guerra-Garcia, 2003	Caprellidae
<i>cowani</i> (Parallorchestes) Bousfield & Hendrycks, 2002	Hyalidae
<i>craspedotrichus</i> (Gammarus) Hou & Li, 2002	Gammaridae
<i>curtipediculus</i> (Monoculodes) Hendrycks & Conlan, 2003	Oedicerotidae
<i>denticulatus</i> (Gammarus) Hou, Li & Morino, 2002	Gammaridae
<i>elevatus</i> (Gammarus) Hou, Li & Morino, 2002	Gammaridae
<i>elinae</i> (Andaniexis) Berge & Vader, 2003	Stegocephalidae

<i>elongata</i> (Vibilia) Shih & Hendrycks, 2003	Vibiliidae
<i>emeiensis</i> (Gammarus) Hou, Li & Koenemann, 2002	Gammaridae
<i>faxoni</i> (Hyaella) revived (Gonzalez & Watling, 2002)	Hyaellidae
<i>giganteus</i> (Eusirus) Andres, Lörz & Brandt, 2002.	Eusiridae
<i>gunnae</i> (Stegocephaloides) Berge & Vader, 2003	Stegocephalidae
<i>hachijoensis</i> (Parhyale) Hiwatari, 2002	Hyalidae
<i>hauturu</i> (Tara) Duncan, 1994	Talitridae
<i>hirayamai</i> (Caprella) Guerra-Garcia & Takeuchi, 2003	Caprellidae
<i>hiwatarii</i> (Protohyale (B.)) Bousfield & Hendrycks, 2002	Hyalidae
<i>iado</i> (Metharpinia) Alonso de Pina, 2003	Phoxocephalidae
<i>ihurawao</i> (Parorchestia) Duncan, 1994	Talitridae
<i>indica</i> (Deutella) Guerra-Garcia, 2002	Pariambidae
<i>ingstadi</i> (Stegocephaloides) Berge & Vader, 2003	Stegocephalidae
<i>jarrettiae</i> (Protohyale (B.)) Bousfield & Hendrycks, 2002	Hyalidae
<i>kabatai</i> (Parallorchestes) Bousfield & Hendrycks, 2002	Hyalidae
<i>kaitaia</i> (Waemata) Duncan, 1994	Talitridae
<i>lamberti</i> (Protohyale (B.)) Bousfield & Hendrycks, 2002	Hyalidae
<i>leblondi</i> (Parallorchestes) Bousfield & Hendrycks, 2002	Hyalidae
<i>lichuanensis</i> (Gammarus) Hou & Li, 2002	Gammaridae
<i>longipalpa</i> (Protohyale (Leptohyale)) Bousfield & Hendrycks, 2002	Hyalidae
<i>longispina</i> (Hyaella) Gonzalez & Coleman, 2002	Hyaellidae
<i>lophacanthus</i> (Gammarus) Hou & Li, 2002	Gammaridae
<i>lubbockiana</i> (Hyale) revived (Krapp-Schickel & Bousfield, 2002)	Hyalidae
<i>manawatahi</i> (Waetamau) Duncan, 1994	Talitridae
<i>manieni</i> (Natarajphotis) Lyla, Velvishi & Ajmal Khan, 1998	Kamakidae
<i>margaritae</i> (Deutella) Guerra-Garcia, 2003	Pariambidae
<i>mexicanus</i> (Haustorius) Ortiz, Chazaro-Olvera & Winfield, 2001	Haustoriidae
<i>micheelini</i> (Hyale) Krapp-Schickel & Bousfield, 2002	Hyalidae
<i>miltoni</i> (Ameroculodes) Foster, 2002	Oedicerotidae
<i>minima</i> (Parallorchestes) Bousfield & Hendrycks, 2002	Hyalidae
<i>minuta</i> (Tropicaprella) Guerra-Garcia & Takeuchi, 2003	Caprellidae
<i>mochinae</i> (Eriopisa) v.d.Ham & Vonk, 2003	Melitidae
<i>mohri</i> (Protohyale (B.)) Bousfield & Hendrycks, 2002	Hyalidae
<i>montenegrinae</i> (Hyaella) Bond-Buckup & Araujo, 1998	Hyaellidae
<i>motuensis</i> (Kanikania) Duncan, 1994	Talitridae
<i>muriwhena</i> (Waemata) Duncan, 1994	Talitridae
<i>nelsonae</i> (Liropus) Guerra-Garcia, 2003	Caprellidae

<i>norae</i> (Glorandaniotes) Berge & Vader, 2003	Stegocephalidae
<i>nuda</i> (Parallorchestes) Bousfield & Hendrycks, 2002	Hyalidae
<i>occultolongicornis</i> (Paralepechinella) Andres & Brandt, 2001	Lepechinellidae
<i>oclairi</i> (Protohyale (B.)) Bousfield & Hendrycks, 2002	Hyalidae
<i>oculata</i> (Protohyale (B.)) Bousfield & Hendrycks, 2002	Hyalidae
<i>otamatuakeke</i> (Makawe) Duncan, 1994	Talitridae
<i>palu</i> (Elasmopus) Appadoo & Myers, 2003	Melitidae
<i>patilarga</i> (Bahadzia) Sawicki, Holsinger, Ortiz & Perez, 2003	Hadziidae
<i>paucispinus</i> (Gammarus) Hou & Li, 2002	Gammaridae
<i>philippinensis</i> (Deutella) Guerra-Garcia, 2002	Pariambidae
<i>philippinensis</i> (Parhyale) Hiwatari, 2002	Hyalidae
<i>phoenixae</i> (Bousfieldia) Chou & Lee, 1996	Talitridae
<i>planasiae</i> (Longigammarus) Messana & Ruffo, 2001	Gammaridae
<i>polonicus</i> (Palaeogammarus) Jazdzewski & Kulicka, 2002	Crangonyctidae
<i>pseudinteger</i> (Elasmopus) Appadoo & Myers, 2003	Melitidae
<i>puteus</i> (Elasmopus) Appadoo & Myers, 2003	Melitidae
<i>qiani</i> (Gammarus) Hou & Li, 2002	Gammaridae
<i>reinga</i> (Waematau) Duncan, 1994	Talitridae
<i>relicta</i> (Pseudocrangonyx) Labay, 1999 (2001)	Pseudocrangonyctidae
<i>riparius</i> (Gammarus) Hou & Li, 2002	Gammaridae
<i>ruffoi</i> (Valettiopsis) Serejo & Wakabara, 2003	Lysianassoidea
<i>saltatrix</i> (Paraprotella) Takeuchi & Guerra-Garcia, 2002	Caprellidae
<i>sandroi</i> (Glorandaniotes) Berge & Vader, 2003	Stegocephalidae
<i>seticornis</i> (Protohyale (B.)) Bousfield & Hendrycks, 2002	Hyalidae
<i>sichuanensis</i> (Gammarus) Hou, Li & Zheng, 2002	Gammaridae
<i>souillacensis</i> (Elasmopus) Appadoo & Myers, 2003	Melitidae
<i>stagnarius</i> (Gammarus) Hou. Li & Morino, 2002	Gammaridae
<i>steeli</i> (Elasmopus) Appadoo & Myers, 2003	Melitidae
<i>subcarinata</i> (Parallorchestes) Bousfield & Hendrycks, 2002	Hyalidae
<i>susanaensis</i> (Pseudocrangonyx) Labay, 1999 (2001)	Pseudocrangonyctidae
<i>tanzaniensis</i> (Metaprotella) Guerra-Garcia, 2002	Protellidae
<i>taranaki</i> (Tara) Duncan, 1994	Talitridae
<i>tori</i> (Stegocephaloides) Berge & Vader, 2003	Stegocephalidae
<i>traudlae</i> (Glorandaniotes) Berge & Vader, 2003	Stegocephalidae
<i>trispinosa</i> (Parallorchestes) Bousfield & Hendrycks, 2002	Hyalidae
<i>tucki</i> (Stegocephaloides) Berge & Vader, 2003	Stegocephalidae
<i>unuwhao</i> (Waematau) Duncan, 1994	Talitridae
<i>vemae</i> (Glorandaniotes) Berge & Vader, 2003	Talitridae

weddellensis (Lepechinelloides) Andres & Brandt, 2001 Lepechinellidae
xiangfengensis (Gammarus) Hou & Li, 2002 Gammaridae

B. SYSTEMATIC LIST

In this list the results of the recent pivotal paper by Myers & Lowry (2003) have been incorporated, and the corophioid amphipods have been reclassified. The families are once again listed in alphabetical order (This may be scientifically somewhat doubtful, but eases retrieval of data, as long as there is little agreement on the right classification and phylogeny of the Amphipoda). The Hyperiidea are still grouped together, as are the Lysianassoidea.

AETIOPEDESIDAE

Ampithoidae EXAMPITHOINAE

Bogidiellidae
 Bogidiella COIPANA

Caprellidae
 Caprella HIRAYAMAI
 Liropus NELSONAE
 Paraprotella SALTATRIX
 Parvipalpus COLEMANI
 TROPICAPRELLA MINUTA

Caprellinoidae
 Nocolacia AFRICANA, AUSTRALIENSIS

CHEVALIIDAE

Corophiidae COROPHIINAE COROPHIINI, HAPLOCHEIRINI,
 PARACOROPHIINI; PROTOMEDEIINAE

Crangonyctidae
 Palaeogammarus POLONICUS

Eusiridae
 Eusirus GIGANTEUS

Gammaridae

Gammarus ACCRETUS, CHAOHUENSIS, CRASPEDOTRICHUS,
DENTICULATUS, ELEVATUS, EMEIENSIS, LICHUANENSIS,
LOPHACANTHUS, PAUCISPINUS, QIANI, RIPARIUS, SICHUANENSIS,
STAGNARIUS, XIANGFENGENSIS

Longigammarus PLANASIAE

Hadziidae

Bahadzia PATILARGA

Haustoriidae

Haustorius MEXICANUS

Hyalellidae

Hyalella FAXONI (rev.), LONGISPINA, MONTENEGRINAE

Hyalidae HYACHELIINAE, KURIINAE

APOHYALE

BOREOHYALE (Protohyale)

DIPLOHYALE (Protohyale)

Hyale LUBBOCKIANA (rev.), MICHELINI

LEPTOHYALE (Protohyale)

Parallorchestes ALASKENSIS, CARINATA, COWANI, KABATAI,
LEBLONDI, MINIMA, NUDA, SUBCARINATA,
TRISPINOSA

Parhyale HACHIJOENSIS, PHILIPPINENSIS

PROTOHYALE HIWATarii (B.), JARRETTAE (B.), LAMBERTI (B.),
LONGIPALPA (L.), MOHRI (B.), OCLAIRI (B.),
OCULATA (B.), SETICORNIS (B.)

PTILOHYALE

RUFFOHYALE

SEREJOHYALE

PROTOHYALE

Hyperiidea

Vibilia ELONGATA

Ischyroceridae BONNIERELLINAE

Pseudischyrocerus BESNARDI

KAMAKIDAE AORCHINAE, KAMAKINAE

NATARAJPHOTIS MANIENI

LEPECHINELLIDAE rev.

Lepechinelloides WEDDELLENSIS

Paralepechinella OCCULTOLONGICORNIS

Lysianassoidea

Valettioipsis RUFFOI

Melitidae

Elasmopus PALU, PSEUDINTEGER, PUTEUS, SOUILLACENSIS,
STEELEI

Eriopisa MOCHINAE

MICROPROTOPODIDAE

Oedicerotidae

Ameroculodes MILTONI

Monoculodes CURTIPEDICULUS

PARAGAMMAROPSIDAE

Pariambidae

Deutella ANTONBRUUNI, INDICA, MARGARITAE,
PHILIPPINENSIS

Phoxocephalidae

Wildus ANDAMANENSIS

Metharpinia IADO

Protellidae

Metaprotella TANZANIENSIS

Pseudocrangonyctidae

Pseudocrangonyx BIRSTEINI, CAVERNARIUS, RELICTA,
SUSANAENSIS

RAKIROIDAE

Salentinellidae

Salentinella ANAE

Stegocephalidae

Andaniexis ANDANIEXIS, ELINAE,
 Glorandaniotes NORAE, SANDROI, TRAUDLAE, VEMAE
 Stegocephaloides GUNNAE, INGSTADI, TORI, TUCKI

Talitridae

BOUSFIELDIA	PHOENIXAE
KANIKANIA	MOTUENSIS
MAKAWE	OTAMATUAKEKE
Parorchestia	IHURUWAO
PUHURUHURU	AOTEARAO
TARA	HAUTURU, TARANAKI
WAEMATAU	KAITAIA, MANAWATAHI, MURIWHENA, REINGA, UNUWHAO

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THE NEW MYERS-LOWRY (2003) CLASSIFICATION OF THE COROPHIOIDEA

This revolutionary and generally convincing rearrangement of the ‘domicolous amphipods’ was published by Alan Myers and Jim Lowry in the *Journal of Crustacean Biology* (vol. 23, 2003, 443-485). The *Amphipod Newsletter* and the *Amphipod Website* seem to me the ideal place to disseminate such new developments and classifications as widely as possible, and I have therefore taken the liberty to copy the classification from the above paper, where all further particulars can be found..

Wim Vader

Infraorder Corophiida

Superfamily Aoroidea

Family Aoridae

Genera: *Aora*, *Aorella*, *Aoroides*, *Archaeobemlos*, *Arctolembos*, *Australomicrodeutopus*, *Autonoe*, *Bemlos*, *Camacho*, *Chevreuxius*, *Columbaora*, *Globosolembos*, *Grandidierella*, *Lemboides*, *Lembos*, *Meridiolembos*, *Microdeutopus*, *Paraoroides*, *Paramicrodeutopus*, *Plesiolembos*, *Protolembos*, *Tethylembos*, *Xenocheira*.

Family Unciolidae

Subfamily Acuminodeutopinae

Genera: *Acuminodeutopus*, *Rudilemboides*, *Wombalana*

Subfamily Unciolinae

Genera: *Dryopoides*, *Janice*, *Liocuna*, *Neohela*, *Orstomia*, *Pediorophium*, *Pseudunciola*, *Pterunciola*, *Ritaumius*, *Rildardanus*, *Uncinotarsus*, *Unciola*, *Unciolella*, *Zoedeutopus*

Superfamily Cheluroidea

Family Cheluridae

Genera: *Chelura*, *Nippochelura*, *Tropichelura*

Superfamily Chevalioidea

Family Chevaliidae

Genera: *Chevalia*

Superfamily Corophioidea

Family Ampithoidae

Subfamily Ampithoinae

Genera: *Ampithoe*, *Amphithoides*, *Amphitholina*, *Cymadusa*,
Macropisthopus, *Paradusa*, *Paragrubia*, *Peramphithoe*, *Plumithoe*,
Pseudampithoides, *Pseudopleonexes*, *Sunamphitoe*

Subfamily Exampithoidae

Genera: *Exampithoe*, *Melanesius*

Family Corophiidae

Subfamily Corophiinae

Tribe Corophiini

Genera: *Americorophium*, *Apocorophium*,
Chelicorophium, *Corophium*, *Crassicorophium*, *Eocorophium*, *Hirayamaia*,
Latocorophium, *Lobatocorophium*, *Medicorophium*, *Microcorophium*,
Monocorophium, *Sinocorophium*.

Tribe Haplocheirini

Genera: *Anonychocheirus*, *Haplocheira*, *Kuphocheira*,
Leptocheirus

Tribe: Paracorophiini

Genera: *Chaetocorophium*, *Paracorophium*,
Stenocorophium.

Subfamily Protomedeiinae

Genera: *Cheirimedeia*, *Cheiriphotis*, *Goesia*, *Pareurystheus*,
Protomedeia

Infraorder Caprellida

Superfamily Aetiopedesoidea

Family Aetiopedesidae

Genera: *Aetiopedes*

Family Paragammaropsidae

Genera: *Paragammaropsis*

Superfamily Caprelloidea

Family Caprellidae

Subfamily Caprellinae

Genera: *Abyssicaprella*, *Aciconula*, *Aeginella*, *Aeginellopsis*,
Aeginina, *Caprella*, *Cyrtophium*, *Deutella*, *Eugastraulax*, *Eupariambus*,
Fallotritella, *Hemiaegina*, *Heterocaprella*, *Leipsuopus* (??), *Liropes*, *Liropus*,
Luconacia, *Mayerella*, *Metacaprella*, *Metaprotella*, *Monoliropus*, *Noculacia*,
Orthoprotella, *Paracaprella*, *Paradeutella*, *Paradicaprella*, *Paraprotella*,
Pariambus, *Parvipalpus*, *Pedoculina*, *Pedrotrina*, *Podobothrus* (??),
Postoparacaprella, *Premohemiaegina*, *Pretritella*, *Proaeginina*, *Proliropus*,
Propodalirius, *Protella*, *Protellina*, *Protellopsis*, *Protoaeginella*, *Prototritella*,
Pseuaeginella, *Pseudoliropus*, *Pseudolirius*, *Pseudoprotella*, *Thorina*,
Triantella, *Triliropus*, *Triperopus*, *Triprotella*, *Tritella*.

Subfamily Paracercopinae

Genera: *Cercops*, *Paracercops*, *Pseudocercops*

Subfamily Phtisicinae

Genera: *Aeginoides*, *Caprellina*, *Caprellinoides*, *Chaka*,
Dodecas, *Dodecasella*, *Hemiproto*, *Hircella*, *Liriarchus*, *Metaproto*,
Paedaridium, *Paraproto*, *Perotripus*, *Phtisica*, *Prellicana*, *Protogeton*,
Protomima, *Pseudocaprellina*, *Pseudododecas*, *Pseudoproto*,
Pseudoprotomima, *Quadrisegmentum*.

Family Caprogammaridae

Genera: *Caprogammarus*

Family Cyamidae

Genera: *Cyamus*, *Isocyamus*, *Neocyamus*, *Platycyamus*,
Scutocyamus, *Syncyamus*

Family Dulichiidae

Genera: *Dulichia*, *Dulichiosis*, *Dyopedos*, *Paradulichia*,
Paradyopedos, *Pseudoparadulichia*

Family Podoceridae

Genera: *Laetmatophilus*, *Leipsuopus*, *Neoxenodice*, *Parunciola*,
Podobothrus, *Podocerus*, *Styloxenodice*, *Xenodice*.

Superfamily Isaeioidea

Family Isaeidae

Genera: *Isaea*, *Pagurisaea*

Superfamily Microprotopodidea

Family Microprotopodidae

Genera: *Microprotopus*

Superfamily Neomegamphopodidea

Family Neomegamphopodidae

Genera: *Konatopus*, *Maragopsis*, *Neomegamphopus*,
Pseudomegamphopus, *Riwomegamphopus*, *Varohios*

Family Priscomilitariidae

Genera: *Paraphotis*, *Priscomilitarius*

Superfamily Photoidea

Family Ischyroceridae

Subfamily Bonnierellinae

Genera: *Bogenfelsia*, *Bonnierella*

Subfamily Ischyrocerinae

Tribe Ischyrocerini

Genera: *Bathyphotis*, *Isaeopsis*, *Ischyrocerus*, *Jassa*,
Microjassa, *Paradryope*, *Parajassa*, *Pseudischyrocerus*, *Ruffojassa*,
Scutischyrocerus, *Ventojassa*, *Veronajassa*.

Tribe Siphonocetini

Genera: *Africoecetes*, *Australoecetes*, *Bathypoma*,
Boerneoecetes, *Bubocorophium*, *Caribboecetes*, *Cerapus*, *Concholestes*,
Corocubanus, *Erichthonius*, *Notopoma*, *Paracerapus*, *Polynesoecetes*,
Pseuderichthonius, *Rhonoecetes*, *Siphonoecetes*.

Family Kamakidae

Subfamily Aorchinae

Genera: *Aloiloi*, *Amphideutopus*, *Aorcho*

Subfamily Kamakinae

Genera: *Aorchoides*, *Cerapopsis*, *Gammaropsella*, *Kamaka*,
Ledoyerella, *Natarajphotis*, *Paraloiloi*

Family Photidae

Genera: *Ampelisciphotis*, *Audulla*, *Dodophotis*, *Falcigammaropsis*,
Gammaropsis, *Megamphopus*, *Microphotis*, *Papuaphotis*, *Photis*, *Posophotis*.

Superfamily Rakirooidea

Family Rakiroidae

Genera *Rakiroa*

(NB The genus *Paraneohela* is too insufficiently known to be classified and remains *incertae sedis*. The Biancolinidae are excluded from the Corophiida, and may belong in the Talitroidea.).

(The genera *Leipsuopus* and *Podobothrus* are, by an oversight, placed in two different places. I have noted with ?? the family where they probably do not belong. WV).